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NEWS 1	1	Web Page for STN Seminar Schedule - N. America
NEWS 2	2	OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 3	3	OCT 19 BEILSTEIN updated with new compounds
NEWS 4	4	NOV 15 Derwent Indian patent publication number format enhanced
NEWS 5	5	NOV 19 WPIX enhanced with XML display format
NEWS 6	6	NOV 30 ICSD reloaded with enhancements
NEWS 7	7	DEC 04 LINPADOOCDB now available on STN
NEWS 8	8	DEC 14 BEILSTEIN pricing structure to change
NEWS 9	9	DEC 17 USPATOLD added to additional database clusters
NEWS 10	10	DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 11	11	DEC 17 DGENE now includes more than 10 million sequences
NEWS 12	12	DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 13	13	DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14	14	DEC 17 CA/CAplus enhanced with new custom IPC display formats
NEWS 15	15	DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 16	16	JAN 02 STN pricing information for 2008 now available
NEWS 17	17	JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 18	18	JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 19	19	JAN 28 MARPAT searching enhanced
NEWS 20	20	JAN 28 USGENE now provides USPTO sequence data within 3 days of publication
NEWS 21	21	JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22	22	JAN 28 MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23	23	FEB 08 STN Express, Version 8.3, now available
NEWS 24	24	FEB 20 PCI now available as a replacement to DPCI
NEWS 25	25	FEB 25 IFIREF reloaded with enhancements
NEWS 26	26	FEB 25 IMSPRODUCT reloaded with enhancements
NEWS 27	27	FEB 29 WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 28	28	MAR 31 IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 29	29	MAR 31 CAS REGISTRY enhanced with additional experimental spectra
NEWS 30	30	MAR 31 CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 31	31	MAR 31 LPCI now available as a replacement to LDPCI
NEWS 32	32	MAR 31 EMBASE, EMBAL, and LEMBASE reloaded with enhancements

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 17:25:57 ON 03 APR 2008

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 17:26:07 ON 03 APR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 APR 2008 HIGHEST RN 1011757-08-6
DICTIONARY FILE UPDATES: 2 APR 2008 HIGHEST RN 1011757-08-6

New CAS Information Use Policies, enter HELP USAGE TERMS for details.

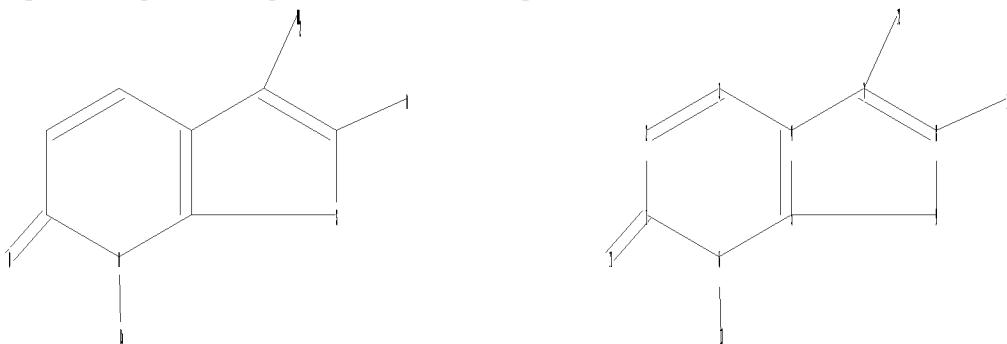
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqen/stndoc/properties.html>

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Uploading C:\Program Files\Stnexp\Queries\10561051.str



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ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
1-11 6-13 7-12 8-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9
exact/norm bonds :
1-2 1-6 1-11 2-3 3-4 4-5 5-6 6-13 7-12 8-14
exact bonds :
4-7 5-9 7-8 8-9
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 11:CLASS
12:CLASS 13:Atom 14:CLASS

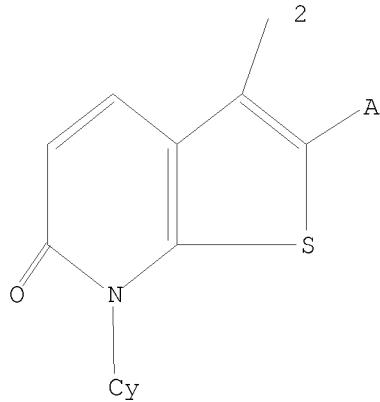
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L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS
L1           STR

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Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 17:26:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       128 TO ITERATE

100.0% PROCESSED       128 ITERATIONS                           2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE    **COMPLETE**
                          BATCH    **COMPLETE**
PROJECTED ITERATIONS:       1882 TO       3238
PROJECTED ANSWERS:            2 TO       124

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L2 2 SEA SSS SAM L1

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SEARCH TIME: 00.00.01
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L3 27 SEA SSS FUL L1
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FULL ESTIMATED COST           178.36 178.57
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FILE 'CAPLUS' ENTERED AT 17:26:34 ON 03 APR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 3 Apr 2008 VOL 148 ISS 14
FILE LAST UPDATED: 2 Apr 2008 (20080402/ED)
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Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

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L4 10 L3
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=> d ibib abs hitstr tot
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L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:516682 CAPLUS

DOCUMENT NUMBER: 145:27972

TITLE: Process for palladium catalyzed C-N coupling

INVENTOR(S): Schlummer, Bjoern; Scholz, Ulrich; Smith, Ian

PATENT ASSIGNEE(S): Ucb, S.A., Belg.

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

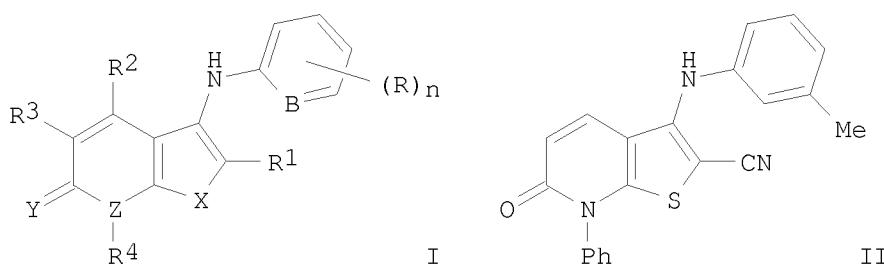
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102004056821	A1	20060601	DE 2004-102004056821	20041124
AU 2005308941	A1	20060601	AU 2005-308941	20051123
CA 2586440	A1	20060601	CA 2005-2586440	20051123
EP 1817313	A1	20070815	EP 2005-808296	20051123
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
IN 2007DN03451	A	20070831	IN 2007-DN3451	20070509
KR 2007086565	A	20070827	KR 2007-714254	20070622
PRIORITY APPLN. INFO.:			DE 2004-102004056821A	20041124
			DE 2004-102004056820A	20041124
			WO 2005-EP12509	W 20051123

OTHER SOURCE(S): CASREACT 145:27972; MARPAT 145:27972

GI



AB The invention relates to a process for the preparation of thieno[2,3-b]pyridine derivs. I [wherein X = O, S, NH, or CH₂; Y = O or S; Z and B = independently N or CH; R₁-R₃ = independently H, (pseudo)halo, OH, NO₂, (un)substituted alkyl, alkoxy, aryl, etc.; R₄ = H, (un)substituted alkyl, aryl, or arylalkyl; R = independently H, (pseudo)halo, OH, NO₂, (un)substituted alkyl, alkoxy, aryl, etc.; n = 0-5] comprising coupling of

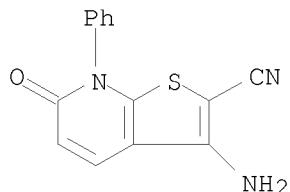
an aryl halide or an aryloxysulfonyl compound with an amine in the presence of palladium catalyst. For example, 3-amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-nitrile was reacted with 3-bromotoluene in the presence of tris(dibenzylideneacetone)palladium, a phosphorus ligand, and potassium phosphate to give II (87%). The process is useful for the formation of C-N bonds.

IT 639481-33-7

RL: RCT (Reactant); RACT (Reactant or reagent)
(palladium catalyzed C-N coupling)

RN 639481-33-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-6-oxo-7-phenyl-
(CA INDEX NAME)



REFERENCE COUNT:

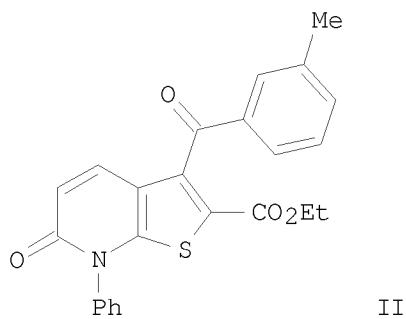
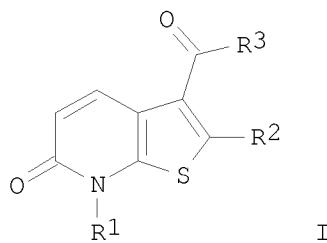
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THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:409526 CAPLUS
 DOCUMENT NUMBER: 142:463710
 TITLE: Preparation of thieno[2,3-b]pyridinone derivatives as kinase, especially p38 MAP kinase, inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders
 INVENTOR(S): Alexander, Rikki Peter; Davis, Jeremy Martin; Hutchings, Martin Clive; Laing, Victoria Elizabeth; Trevitt, Graham Peter
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 181 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042540	A1	20050512	WO 2004-GB4490	20041022
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004285752	A1	20050512	AU 2004-285752	20041022
CA 2540881	A1	20050512	CA 2004-2540881	20041022
EP 1680429	A1	20060719	EP 2004-769004	20041022
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007509123	T	20070412	JP 2006-536178	20041022
US 20070078131	A1	20070405	US 2006-576731	20060420
PRIORITY APPLN. INFO.:			GB 2003-24902	A 20031024
			GB 2003-29490	A 20031219
			GB 2004-2918	A 20040210
			GB 2004-16934	A 20040729
			WO 2004-GB4490	W 20041022

OTHER SOURCE(S): MARPAT 142:463710
 GI



AB Title compds. I [wherein R1 = (un)substituted (C3-7 cycloalkyl)methyl, hetero/aryl; R2 = H, NO₂, CN, CO₂H and derivs., NH₂ and derivs., etc.; R3 = (un)substituted hetero/aryl; and their pharmaceutically acceptable salts] were prepared as p38 MAP kinase inhibitors for treating and/or preventing immune or inflammatory disorders. For example, II was prepared by reacting Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given) with 3-methylbenzaldehyde and oxidation with MnO₂.

I are potent inhibitors of p38 MAP kinase (IC₅₀ around 2 μ M and below), especially p38 α kinase.

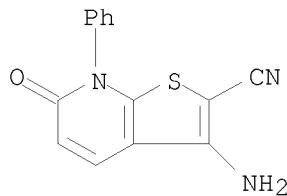
IT 639481-33-7P, 3-Amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639481-35-9P, 3-Amino-7-(2-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 817177-56-3P, 3-Amino-2-nitro-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851748-38-4P, 3-Amino-7-(2-chlorophenyl)-2-nitrothieno[2,3-b]pyridin-6(7H)-one 851748-57-7P, 3-Amino-7-(2-fluorophenyl)-2-nitrothieno[2,3-b]pyridin-6(7H)-one 851748-69-1P, 3-Amino-7-(6-chloropyridin-3-yl)-2-nitrothieno[2,3-b]pyridin-6(7H)-one 851749-70-7P, 3-Amino-7-(2,6-difluorophenyl)-2-nitrothieno[2,3-b]pyridin-6(7H)-one 851749-97-8P, 3-Amino-7-(4-methylphenyl)-2-nitrothieno[2,3-b]pyridin-6(7H)-one 851750-11-3P, 3-Amino-7-(4-fluorophenyl)-2-nitrothieno[2,3-b]pyridin-6(7H)-one

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)

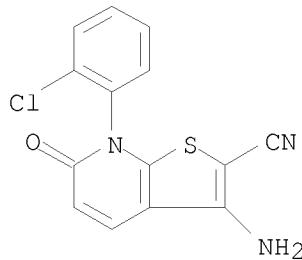
RN 639481-33-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



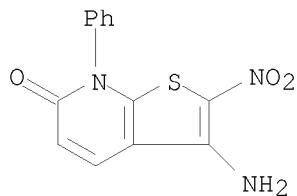
RN 639481-35-9 CAPLUS

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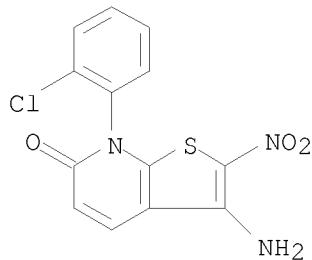
RN 817177-56-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-nitro-7-phenyl- (CA INDEX NAME)



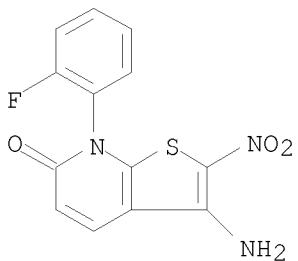
RN 851748-38-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2-chlorophenyl)-2-nitro- (CA INDEX NAME)



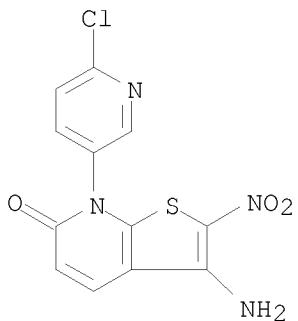
RN 851748-57-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2-fluorophenyl)-2-nitro- (CA INDEX NAME)



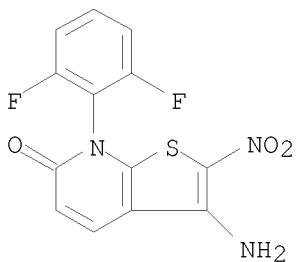
RN 851748-69-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(6-chloro-3-pyridinyl)-2-nitro-
(CA INDEX NAME)



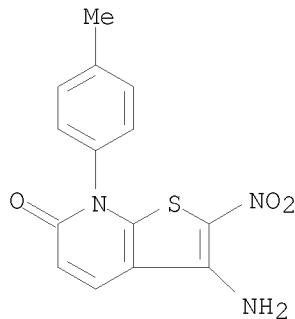
RN 851749-70-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2,6-difluorophenyl)-2-nitro-
(CA INDEX NAME)



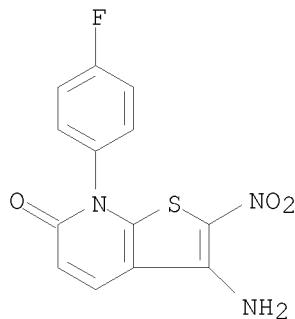
RN 851749-97-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(4-methylphenyl)-2-nitro- (CA
INDEX NAME)



RN 851750-11-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(4-fluorophenyl)-2-nitro- (CA INDEX NAME)



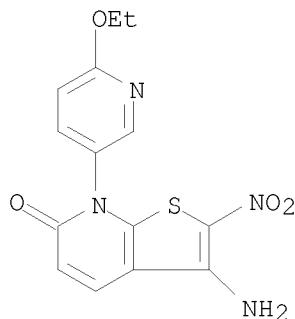
IT 851748-71-5P, 3-Amino-7-(6-ethoxypyridin-3-yl)-2-nitrothieno[2,3-b]pyridin-6(7H)-one

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)

RN 851748-71-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(6-ethoxy-3-pyridinyl)-2-nitro- (CA INDEX NAME)



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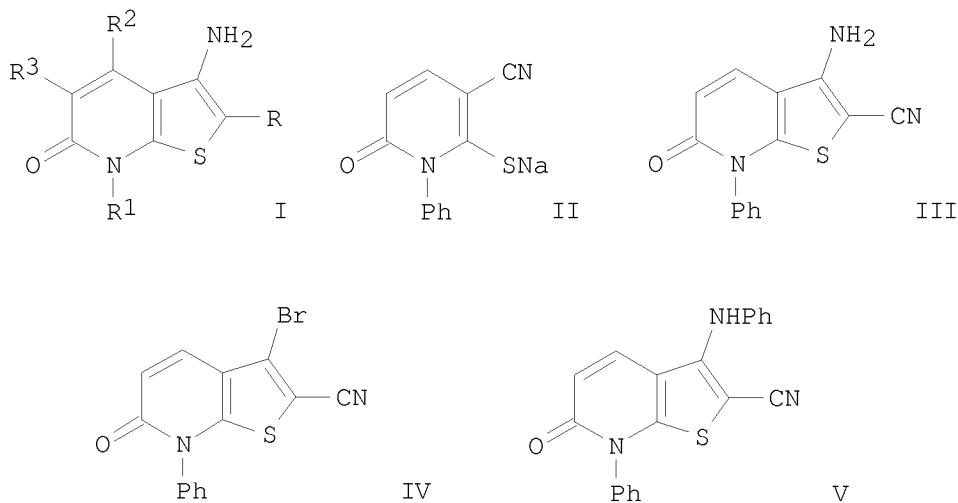
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THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1154722 CAPLUS
 DOCUMENT NUMBER: 142:93797
 TITLE: Process for preparing 3-aminothienopyridone
 derivatives and their applications to the synthesis of
 p38 MAP kinase inhibitors
 INVENTOR(S): Evans, Graham Robert; Smith, Ian Harold; Tremayne,
 Neil; Jones, Leighton; Langston, Marianne
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 56 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113349	A1	20041229	WO 2004-GB2680	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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CA 2528927	A1	20041229	CA 2004-2528927	20040618
EP 1638980	A1	20060329	EP 2004-743031	20040618
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JP 2007516163	T	20070621	JP 2006-516465	20040618
US 20070191608	A1	20070816	US 2006-561051	20060608
PRIORITY APPLN. INFO.:			GB 2003-14493	A 20030620
			GB 2003-29471	A 20031219
			WO 2004-GB2680	W 20040618

OTHER SOURCE(S): MARPAT 142:93797
 GI



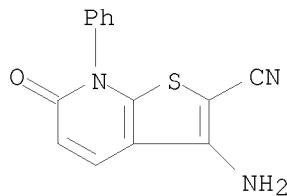
AB This invention provides a class of 3-amino-7H-thieno[2,3-b]pyridin-6-one derivs. I [wherein R = cyano, NO₂, CO₂Alk₂, C(O)alkyl, CONHHet₂; Alk₂ = (un)substituted alkyl or aryl; Het₂ = (un)substituted 4/5/6-membered heterocycloalkyl; R₁ = (un)substituted (hetero)aryl or (hetero)cycloalkyl; R₂, R₃ = H or a hydrogen atom precursor, or salts, solvates, hydrates, protected derivs. and N-oxides thereof], a process for their preps., and the use thereof as intermediates in the manufacture of certain p38 MAP kinase inhibitors. For example, 2-cyano-N-phenylthioacetamide was treated with N,N-dimethyluracil to give crude thiolate II containing about 20% ethanol, which was directly refluxed with chloroacetonitrile in acetonitrile for 2 h to afford amine III. This compound underwent diazotization and subsequent halide displacement with tert-butylnitrite and CuBr₂, leading to bromide IV. Pd-catalyzed N-alkylation of III with bromobenzene or amination of IV with aniline yielded V. Conversion of this product to the corresponding carboxamide was realized by the hydrolysis of the cyano group in the presence of NaOH-H₂O-Ethanol system.

IT 639481-33-7P, 3-Amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639481-34-8P, 3-Amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid ethyl ester 639481-35-9P, 3-Amino-7-(2-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639481-42-8P, 3-Amino-7-cyclopropyl-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 817177-51-8P, 3-Amino-7-phenyl-2-[(pyrrolidin-1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 817177-53-0P 817177-55-2P, (S)-3-Amino-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 817177-56-3P, 3-Amino-2-nitro-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 817177-58-5P, 3-Amino-2-(4-ethylpiperazin-1-ylcarbonyl)-7-phenyl-7H-thieno[2,3-b]pyridin-6-one

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

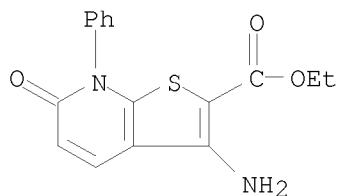
RN 639481-33-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



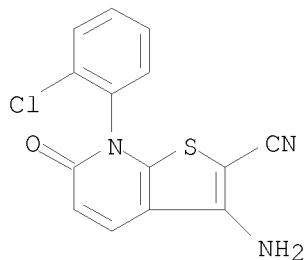
RN 639481-34-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



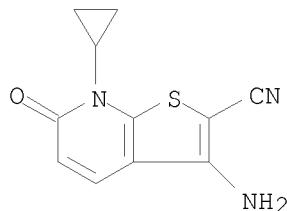
RN 639481-35-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-7-(2-chlorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



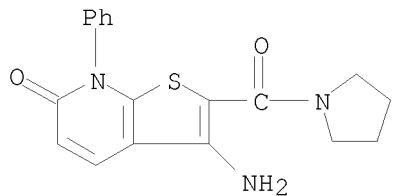
RN 639481-42-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-7-cyclopropyl-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 817177-51-8 CAPLUS

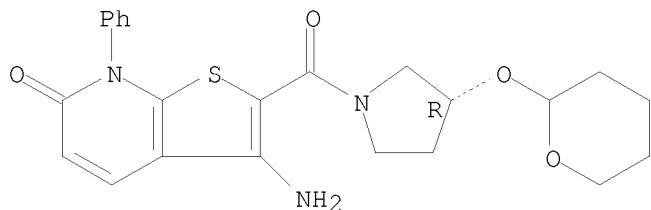
CN Pyrrolidine, 1-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 817177-53-0 CAPLUS

CN Pyrrolidine, 1-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-3-[(tetrahydro-2H-pyran-2-yl)oxy]-, (3R)- (9CI) (CA INDEX NAME)

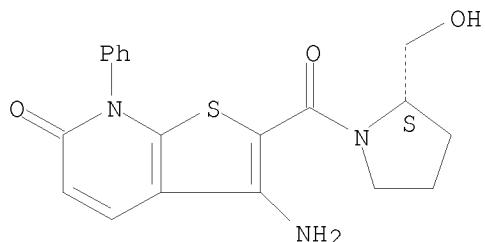
Absolute stereochemistry.



RN 817177-55-2 CAPLUS

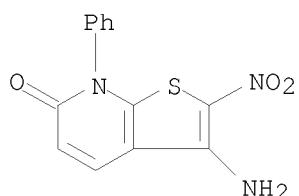
CN 2-Pyrrolidinemethanol, 1-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



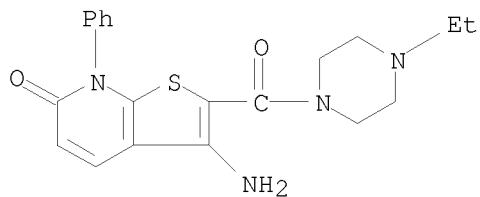
RN 817177-56-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-nitro-7-phenyl- (CA INDEX NAME)



RN 817177-58-5 CAPLUS

CN Piperazine, 1-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-4-ethyl- (9CI) (CA INDEX NAME)



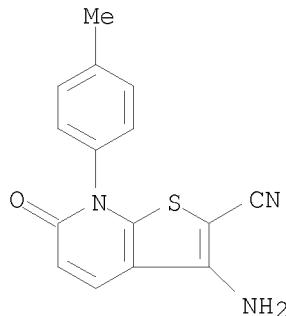
IT 639481-38-2P, 3-Amino-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639481-44-0P,
3-Amino-7-(2-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

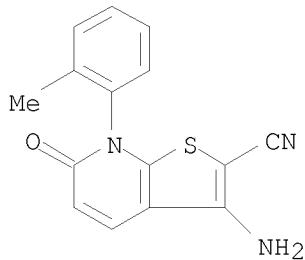
RN 639481-38-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



RN 639481-44-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1154721 CAPLUS
 DOCUMENT NUMBER: 142:93796
 TITLE: Preparation of thienopyridone derivatives as p38 MAPK
 inhibitors
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;
 Langham, Barry John
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113348	A1	20041229	WO 2004-GB2644	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249498	A1	20041229	AU 2004-249498	20040618
CA 2528603	A1	20041229	CA 2004-2528603	20040618
EP 1638979	A1	20060329	EP 2004-742997	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
JP 2007516162	T	20070621	JP 2006-516453	20040618
US 20060247269	A1	20061102	US 2006-561050	20060629
PRIORITY APPLN. INFO.:			GB 2003-14490	A 20030620
			GB 2003-29495	A 20031219
			WO 2004-GB2644	W 20040618

OTHER SOURCE(S): MARPAT 142:93796
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

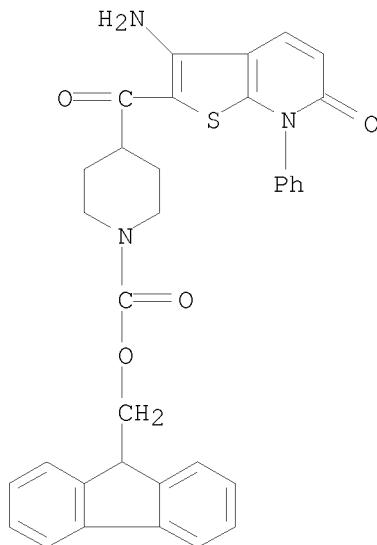
AB Title compds. I [wherein X = covalent bond, NH or N(alkyl); Y = C(O) or S(O)2; A = (CH2)q; B = (CH2)m; n = 0 or 1; m = 1-3; p = 0-4; q = 0-2; R = (un)substituted OH, alkoxy or amino; L = O, S, S(O), S(O)2 or CH2, CHR or CR2, NH or N(alkyl); ALK1 = alkylene; Cyl = (un)substituted (hetero)cycle or (hetero)aryl; Ar = (un)substituted (hetero)aryl; or salts, solvates, hydrates and N-oxides thereof] were prepared as p38 MAPK inhibitors. For example, II was synthesized in several steps from Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given), via amination with 2,4-difluoroaniline, ester hydrolysis, carboxy group activation with pentafluorophenol and coupling with cis-2-aminocyclopentanol hydrochloride. Example compds. had IC50 values of around 1 μ M and below for human p38 α kinase. Therefore, I and pharmaceutical compns. thereof are useful for the treatment and/or prevention of immune or inflammatory disorders.
 IT 816464-43-4P, 9H-Fluoren-9-ylmethyl 4-[(3-amino-6-oxo-7-phenyl-6,7-

dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate
816464-48-9P, Benzyl 4-[(3-amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 MAPK inhibitors)

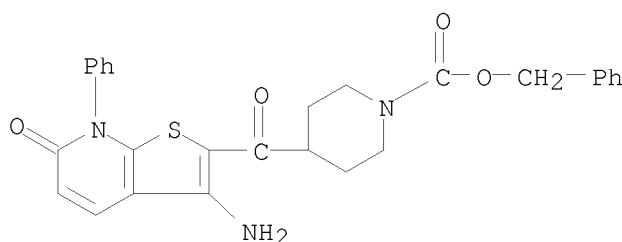
RN 816464-43-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, 9H-fluoren-9-ylmethyl ester
(CA INDEX NAME)



RN 816464-48-9 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, phenylmethyl ester (CA INDEX NAME)



REFERENCE COUNT:

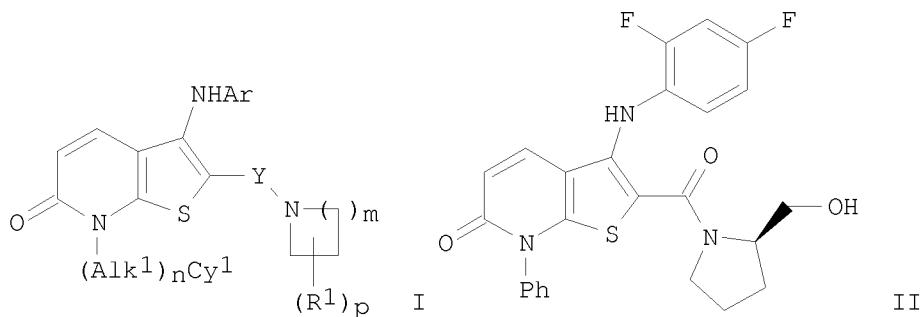
4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:1154720 CAPLUS
DOCUMENT NUMBER: 142:93795
TITLE: Preparation of thienopyridone derivatives as p38 α kinase inhibitors
INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John
PATENT ASSIGNEE(S): Celltech R & D Limited, UK
SOURCE: PCT Int. Appl., 129 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113347	A1	20041229	WO 2004-GB2621	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249495	A1	20041229	AU 2004-249495	20040618
CA 2528602	A1	20041229	CA 2004-2528602	20040618
EP 1641804	A1	20060405	EP 2004-742976	20040618
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BR 2004010653	A	20060704	BR 2004-10653	20040618
CN 1809575	A	20060726	CN 2004-80017320	20040618
JP 2007516161	T	20070621	JP 2006-516443	20040618
MX 2005PA13227	A	20060309	MX 2005-PA13227	20051206
IN 2005DN05823	A	20080201	IN 2005-DN5823	20051214
NO 2006000279	A	20060320	NO 2006-279	20060119
US 20070099894	A1	20070503	US 2006-561052	20061010
PRIORITY APPLN. INFO.:			GB 2003-14492	A 20030620
			GB 2003-29485	A 20031219
			WO 2004-GB2621	W 20040618

OTHER SOURCE(S): CASREACT 142:93795; MARPAT 142:93795
GI



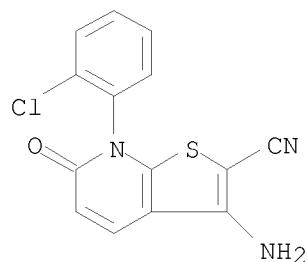
AB Title compds. I [Y = linking group CO, SO₂; n = 0-1; m, p = 1-4; R1 = OH, alkylene-OH, alkoxy, etc.; Alk1 = alkylene; Cy1 = cycloaliph., aromatic, heteroarom., etc.; Ar = (un)substituted (hetero)aromatic, etc.] are prepared. For instance, 3-Bromo-7-phenyl-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy)methyl]pyrrolidin-1-yl]carbonyl]thieno[2,3-b]pyridin-6(7H)-one (preparation given) is coupled to 2,4-difluoroaniline (PhMe, Cs₂CO₃, BINAP, Pd₂(dba)₃, reflux 48 h) and the resulting product deprotected with HCl to give II. All compds. inhibit p38 kinase with IC₅₀ of 1 μ M or less. I are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 639481-35-9P, 3-Amino-7-(2-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 α kinase inhibitors)

RN 639481-35-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-7-(2-chlorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



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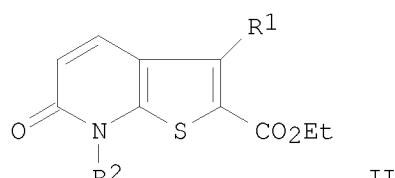
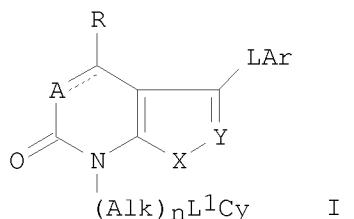
3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:143162 CAPLUS
 DOCUMENT NUMBER: 140:181432
 TITLE: Preparation of bicyclic heteroaromatic compounds as p38 kinase inhibitors
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 75 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004014920	A1	20040219	WO 2003-GB3501	20030811
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2495518	A1	20040219	CA 2003-2495518	20030811
AU 2003252990	A1	20040225	AU 2003-252990	20030811
EP 1539769	A1	20050615	EP 2003-784288	20030811
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005537300	T	20051208	JP 2004-527055	20030811
US 20060025428	A1	20060202	US 2005-524199	20050728
PRIORITY APPLN. INFO.:			GB 2002-18800	A 20020813
			WO 2003-GB3501	W 20030811

OTHER SOURCE(S): MARPAT 140:181432
 GI



AB Title compds. I [A = N, (un)substituted CH, dashed line is a double bond; A = (un)substituted NH, CH₂, dashed line is a single bond; X = O, S, (un)substituted NH, S(O), SO₂; Y = N, (un)substituted CH; Alk = (un)substituted aliphatic, heteroaliph.; n = 0, 1; Ar = (un)substituted aromatic, heteroarom.; L = atom, alkylene, heteroalkylene; L1 = bond, linker atom, linker group; Cy = H, (un)substituted cycloaliph, polycycloaliph., heterocyclic, polyheterocyclic, aromatic, heteroarom.; R = H, CN, (un)substituted alkyl, CO₂H, CONH₂], especially 6-oxo-6,7-dihydrothieno[2,3-

b]pyridine derivs., which are inhibitors of p38 kinase of use in the treatment and/or prevention of immune or inflammatory disorders (no data) were prepared. Thus, II [R1 = NHCH2Ph, R2 = Ph] was prepared from 2-chloronicotinonitrile and HSCH2CO2Et via II [R1 = Br, R2 = H] by treatment with PhB(OH)2 and PhCH2NH2.

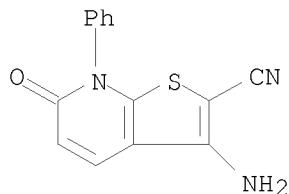
IT 639481-33-7P 639481-34-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of bicyclic heteroarom. compds. as p38 kinase inhibitors)

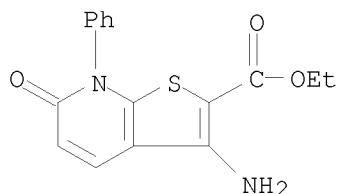
RN 639481-33-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-34-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



REFERENCE COUNT:

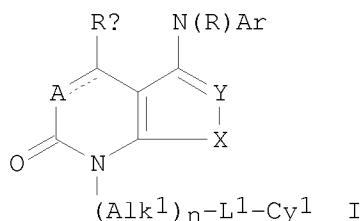
4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:2888 CAPLUS
 DOCUMENT NUMBER: 140:59658
 TITLE: Preparation of arylamine substituted bicyclic hetero-aromatic compounds as p38 kinase inhibitors
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 174 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000846	A1	20031231	WO 2003-GB2667	20030620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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CA 2487718	A1	20031231	CA 2003-2487718	20030620
AU 2003253087	A1	20040106	AU 2003-253087	20030620
BR 2003011842	A	20050315	BR 2003-11842	20030620
EP 1551848	A1	20050713	EP 2003-760802	20030620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1671715	A	20050921	CN 2003-818371	20030620
JP 2005530838	T	20051013	JP 2004-515043	20030620
NZ 537740	A	20060331	NZ 2003-537740	20030620
MX 2004PA12746	A	20050323	MX 2004-PA12746	20041215
NO 2005000306	A	20050316	NO 2005-306	20050119
ZA 2005000524	A	20060830	ZA 2005-524	20050119
US 20060004025	A1	20060105	US 2005-518725	20050526
PRIORITY APPLN. INFO.:			GB 2002-14268	A 20020620
			WO 2003-GB2667	W 20030620

OTHER SOURCE(S): MARPAT 140:59658
 GI



AB Bicyclic heteroarom. derivs. I; where the dashed line joining A and C(Ra) is present and represents a bond and A is a -N= atom or a -C(Rb)= group, or the dashed line is absent and A is a -N(Rb)-, or -C(Rb)(Rc)- group; X is an -O-, -S- or substituted nitrogen atom or a -S(O)-, -S(O₂)- or -NH-

group; Y is a nitrogen or substituted carbon atom or a -CH = group; n is zero or the integer 1; Alk1 is an optionally substituted aliphatic or hetero-aliphatic chain L1 is a covalent bond or a linker atom or group; Cy1 is a hydrogen atom or an optionally substituted cyclo-aliphatic, poly-cyclo-aliphatic, hetero-cyclo-aliphatic, poly-hetero-cyclo-aliphatic, aromatic or hetero-aromatic group; Ar is an optionally substituted aromatic or heteroarom. group; and the remaining substituents are defined in the specification. The compds. are potent and selective inhibitors of p38 kinase and are of use in the prophylaxis and treatment of immune or inflammatory disorders. Thus, 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-pyrrolidin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide was prepared as a p38 kinase inhibitor. In the p38 inhibitor assays described above compds. of the invention have IC₅₀ values of around 1 μ M and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38 α kinase.

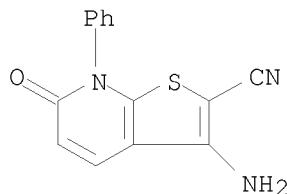
IT 639481-33-7P 639481-34-8P 639481-35-9P
 639481-38-2P 639481-42-8P 639481-44-0P
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 639482-14-7P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38 kinase inhibitors)

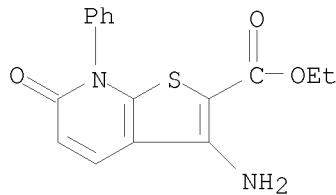
RN 639481-33-7 CAPPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



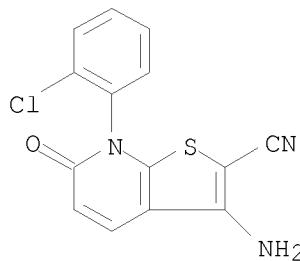
RN 639481-34-8 CAPPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



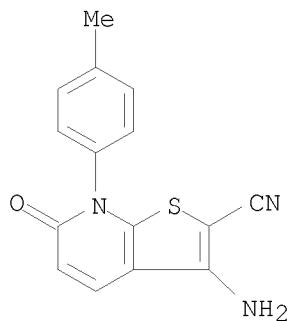
RN 639481-35-9 CAPPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-7-(2-chlorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



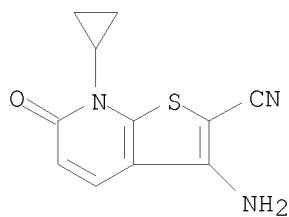
RN 639481-38-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



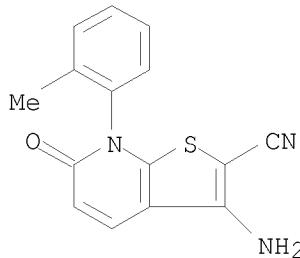
RN 639481-42-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-7-cyclopropyl-6,7-dihydro-6-oxo- (CA INDEX NAME)



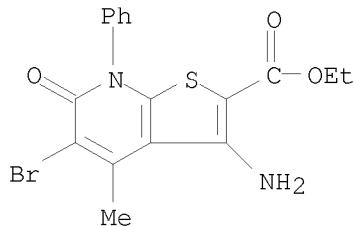
RN 639481-44-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



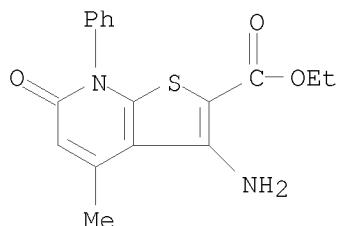
RN 639481-75-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-5-bromo-6,7-dihydro-4-methyl-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



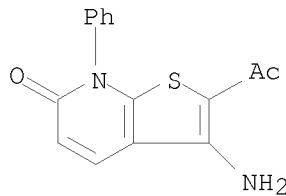
RN 639481-76-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-4-methyl-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



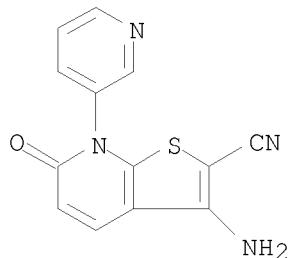
RN 639482-12-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-3-amino-7-phenyl- (CA INDEX NAME)



RN 639482-14-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-amino-6,7-dihydro-6-oxo-7-(3-pyridinyl)- (CA INDEX NAME)

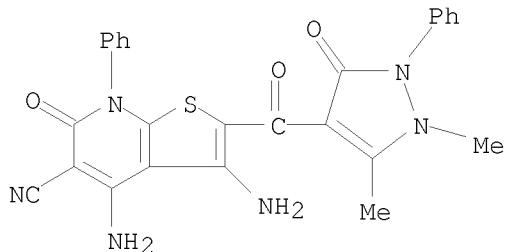


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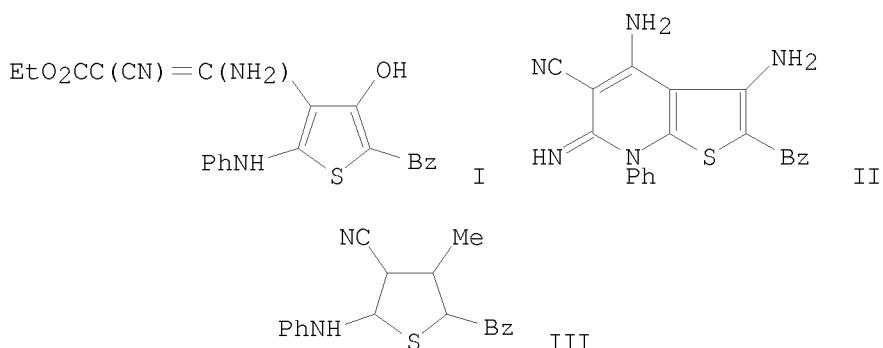
THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:29695 CAPLUS
 DOCUMENT NUMBER: 136:325480
 TITLE: Novel synthesis of thiazole, coumarin, pyridine, thiophene and thieno[2,3-b]pyridine derivatives
 AUTHOR(S): El-Taweel, F. M. A.; Elagamey, A. A.; El-Kenawy, A. A.; Waly, M. A.
 CORPORATE SOURCE: Department of Chemistry, Faculty of Science, Mansoura University, New Damietta, Egypt
 SOURCE: Phosphorus, Sulfur and Silicon and the Related Elements (2001), 176, 215-225
 CODEN: PSSLEC; ISSN: 1042-6507
 PUBLISHER: Gordon & Breach Science Publishers
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 136:325480
 AB Several new thiazole, coumarin, pyridine, thiophene, and thienopyridines were prepared from 4-chloroacetylantipyrine and activated nitriles as starting materials.
 IT 413570-88-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of thiazole, coumarin, pyridine, thiophene, and thieno[2,3-b]pyridine derivs.)
 RN 413570-88-4 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carbonitrile, 3,4-diamino-2-[(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)carbonyl]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1992:531099 CAPLUS
DOCUMENT NUMBER: 117:131099
TITLE: One-pot synthesis of polyfunctionally substituted thiophenes: thieno[2,3-b]pyridine and thieno[3,4-d]pyridazine derivatives
AUTHOR(S): Mohareb, Rafat Milad
CORPORATE SOURCE: Fac. Sci., Cairo Univ., Giza, Egypt
SOURCE: Gazzetta Chimica Italiana (1992), 122(4), 147-50
DOCUMENT TYPE: CODEN: GCITA9; ISSN: 0016-5603
LANGUAGE: Journal
GI English



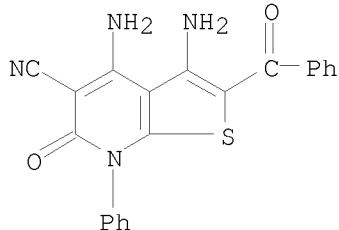
AB The enaminonitriles $\text{EtO}_2\text{CCH}_2\text{C}(\text{NH}_2):\text{C}(\text{CN})\text{CO}_2\text{Et}$, $\text{NCCH}_2\text{C}(\text{NH}_2):\text{C}(\text{CN})_2$, and $\text{MeC}(\text{:NH})\text{CH}_2\text{CN}$ treated with Ph isothiocyanate followed by cyclization with PHCH_2COBr gave the thiophene I, the thieno[2,3-b]pyridine II and the thiophene III, resp. The reactivity of the reaction products toward different reagents to form heterocyclic and fused heterocyclic ring systems was confirmed.

IT 143208-39-3P

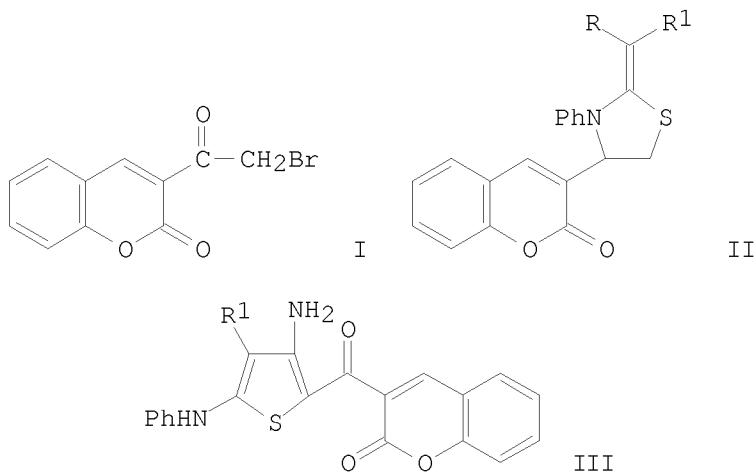
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 143208-39-3 CAPLUS

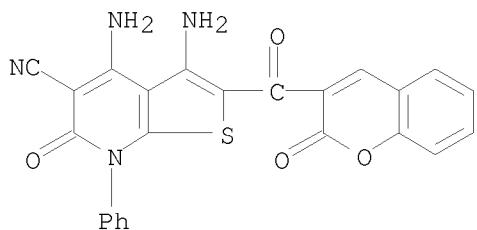
CN Thieno[2,3-b]pyridine-5-carbonitrile, 3,4-diamino-2-benzoyl-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:407844 CAPLUS
 DOCUMENT NUMBER: 117:7844
 TITLE: Novel synthesis of 4-(coumarin-3-yl)-1,3-thiazole,
 2-(coumarin-3-carbonyl)thieno[2,3-b]pyridine, and
 2-(coumarin-3-carbonyl)thiophene derivatives
 AUTHOR(S): Mohareb, Rafat Milad; Shams, Hoda Zaki; Aziz, Suzan
 Ibrahim
 CORPORATE SOURCE: Fac. Sci., Cairo Univ., Giza, Egypt
 SOURCE: Journal of Chemical Research, Synopses (1992), (5),
 154-5
 DOCUMENT TYPE: CODEN: JRPSDC; ISSN: 0308-2342
 LANGUAGE: Journal
 English
 OTHER SOURCE(S): CASREACT 117:7844
 GI



AB The active methylene reagents $\text{CH}_2\text{RR}'$ ($\text{R} = \text{CN, R}' = \text{CO}_2\text{Et}$; $\text{R} = \text{COMe, R}' = \text{CO}_2\text{Et, CONHPh}$) react with PhNCS followed by cyclization with I bromoacetylcoumarin to afford the thiazole derivs. II, whereas $\text{CH}_2\text{RR}'$ ($\text{R} = \text{CN, R}' = \text{CONH}_2, \text{CSNH}_2, \text{CONHPh}$) react with the same reagents at both low and high temps. to afford III and the thiophene derivs.
 IT 141633-02-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 141633-02-5 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carbonitrile, 3,4-diamino-6,7-dihydro-6-oxo-2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]-7-phenyl- (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	58.34	236.91
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-8.00	-8.00

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